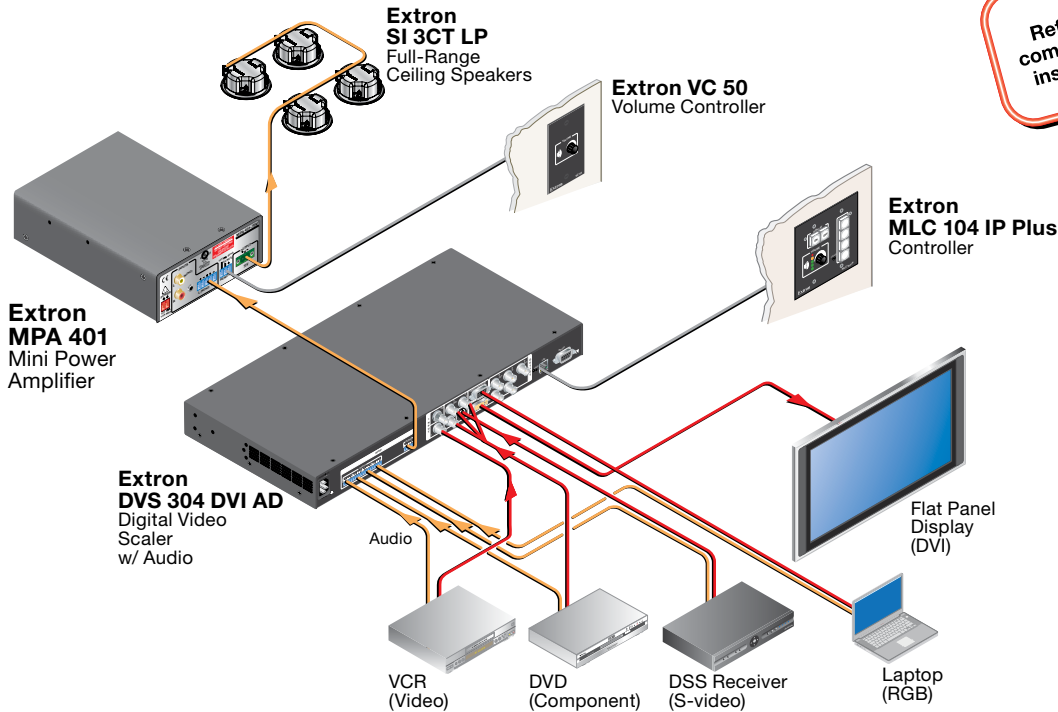# Extron® MPA 401-70V and MPA 401-100V • Setup Guide

Overview

This guide provides basic instructions for an experienced installer to install and configure the Extron MPA 401-70V and MPA 401-100V mini power amplifiers.

IMPORTANT: Refer to www.extron.com for the complete user guide and installation instructions before connecting the product to the power source.
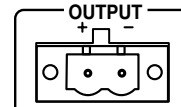

Step 1 — Turn all of the equipment off and disconnect all power sources.

Step 2 — Mount the amplifier in either a plenum space, on a rack, under a desk, or on a projector.
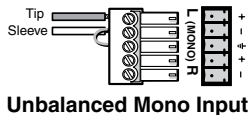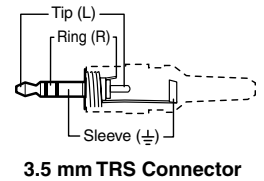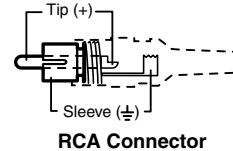
NOTE: If the amplifier is rack-mounted, the round holes in the base must be used. Do not use the hexagonal holes. For complete information about mounting the unit, see the *MPA 401 User Guide* at **www.extron.com**.

Step 3 — Attach the speakers to the MPA 401 using the 2-pole, 5 mm screw-lock captive screw connector on the rear panel.
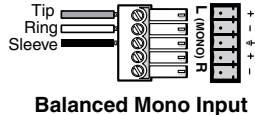

Step 4 — Attach inputs to the MPA 401 unit from the audio source or projector. There are three rear panel audio inputs, which can be used individually or together:
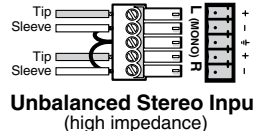
- One pair of RCA connectors (unbalanced)
- One 3.5 mm stereo tip-ring-sleeve connector (unbalanced)
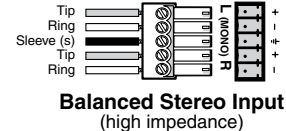- One 3.5 mm, 5-pole captive screw connector (balanced/unbalanced)

RCA Connector

3.5 mm TRS Connector

Unbalanced Mono Input   **Balanced Mono Input**   **Unbalanced Stereo Input** (high impedance)   **Balanced Stereo Input** (high impedance)
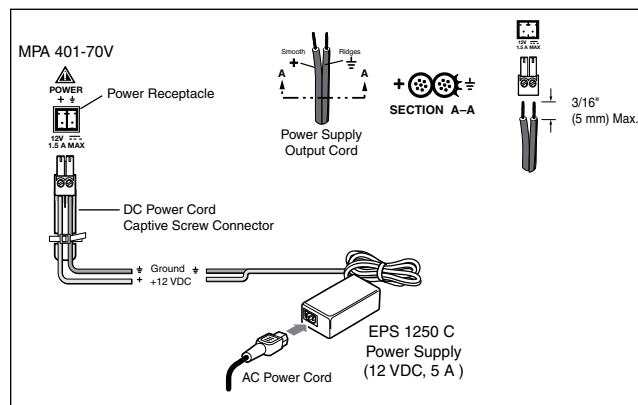
NOTE: The MPA 401 amplifier mixes all right channel inputs to a single signal and all left channel inputs to a second signal. The right signal and left signal are summed to produce a mono signal.

Ensure that the audio output of the projector is set to variable out. Multiple input options can be used simultaneously and result in audio mixing.
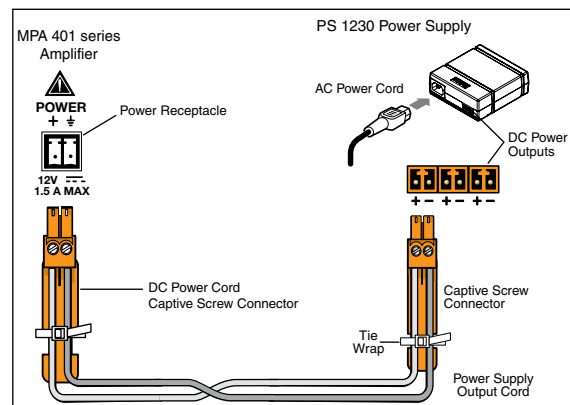
Step 5 — Connect power cords to the MPA 401 and other audio equipment. The MPA 401-100V ships with an Extron 36 W desktop power supply (PS 1230; part number **70-769-01**). The MPA 401-70V ships with either the Extron 36 W desktop power supply or the Extron 12 VDC, 5 A power supply (EPS 1250 C; part number **70-725-01**).

When connecting the EPS 1250 C power supply, ensure the polarity of the wires is correct. The wire with ridges is the ground or negative (see figure below left). To use the PS 1230, connect the pre-wired captive screw connector into one of the two pole, 3.5 mm captive screw receptacles on the power supply and the other end into the Power receptacle on the amplifier, as shown in the figure at right.
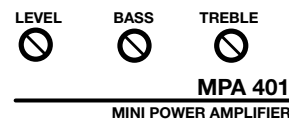
OR

CAUTIONS: See the caution in the Power Input section of the *MPA 401 Series User Guide* for important information about using power supplies.

When the PS 1230 power supply is connected to the MPA 401, it must not be shared with any other devices.

Step 6 — Adjust the MPA 401 input level, bass, and treble (see figure at right).

1. If necessary, unplug the remote plug from the unit see step **7**, below).

2. If connecting the amplifier to a system with adjustable volume, set the volume to its lowest point. Then adjust the MPA 401 front panel level potentiometer fully counterclockwise.

3. Set the system volume to its maximum volume level (no sound should come out).

4. Return to the MPA 401 and raise the level until sound distortion first occurs, then lower slightly until the distortion disappears. This setting ensures that, whatever the system volume setting may be, no clipping occurs.

5. Adjust bass and treble to preference.

Step 7 — The rear panel 3-pole Remote captive screw connector on the amplifier can be used for remote control of the volume by an Extron volume controller such as an Extron VCM 100 AAP, VC 50, or MLA-VC10. A MediaLink controller can also adjust the audio volume via a network connection or by IR remote (see the *MPA 401 Series User Guide*).

LEVEL   BASS   TREBLE

MPA 401
MINI POWER AMPLIFIER